Applicant: James S. Norris et al.

Attorney's Docket No.: 14017-0004002 /
Serial No.: 10/082,973

PSU 1996-1566

Serial No.: 10/082,973 Filed: February 26, 2002

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Amendments to the Specification:

Please replace the Sequence Listing currently of record with the attached substitute sequence listing.

Please replace the paragraph beginning on page 9, line 3, with the following amended paragraph:

Figure 2 Diagram and nucleotide sequence of the pClip ribozyme cassette (SEQ ID NO:49).

Please replace the paragraph beginning on page 9, line 4, with the following amended paragraph:

Figure 3 Diagram and nucleotide sequence of the pChop ribozyme cassette (SEQ ID NOs:50 and 53).

Please replace the paragraph beginning on page 9, line 9, with the following amended paragraph:

Figure 5 Nucleotide sequence of pSnip, shown without the double trans-acting ribozyme inserts (SEQ ID NO:51).

Please replace the paragraph beginning on page 9, line 31, with the following amended paragraph:

Figure 10 Sequence of a modified pChop cassette (UPCM2) (SEQ ID NO:52).

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Please replace the paragraphs beginning at page 49, line 4 through page 51, line 20, with the following amended paragraphs. Please note that the "GTC" below is an originally underlined text, and not an amendment.

Escherichia coli

ftsZ target (ACCESSION: AE000119 U00096)

105

AGATCTAAACGCCGATCTGATGAGTCCGTGAGGACGAAACTTTAAAAACCAAGG (SEQ ID NO:54)

713

AGATCTAAACATCTCACTGATGAGTCCGTGAGGACGAAACATTACGAAACCAAAGG (SEQ ID NO:55)

1131

AGATCTAAATCATTCACCTGATGA<u>GTC</u>CGTGAGGACGAAACTTTAGCAAACCAAGG (SEQ ID NO:8)

secA target (ACCESSION: AE000119 U00096)

84

AGATCTAAAAAAACCTGATGAGTCCGTGAGGACGAAACTGGTTAAAAGATCT (SEQ ID NO:56)

707

AGATCTAAATTATCCACTGATGAGTCCGTGAGGACGAAACGGGCGAAAAGATCT (SEQ ID NO:57)

856

AGATCTAAATCGTTACCTGATGAGTCCGTGAGGACGAAACTACCGAAAAGATCT (SEQ ID NO:58)

894

A[[F]]GATCTAAATGATGTTCTGATGAGTCCGTGAGGACGAAACCACTTAAAAGATCT (SEQ ID NO:59)

979

AGATCTAAATTTCCACTGATGAGTCCGTGAGGACGAAACGTGCAAAAAGATCT (SEQ ID NO:60)

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1282

AGATCTAA**TTGATACC**CTGATGAGTCCGTGAGGACGAA**ACAGTCAG**AAAAGATCT (SEQ ID NO:61)

2216

AGATCTAAATTCGTTTCTGATGAGTCCGTGAGGACGAAACACCACAAAAGATCT (SEQ ID NO:9)

dnaG target (ACCESSION: AE000388 U00096)

5344

AGATCTAAACGTTAGTCTGATGAGTCCGTGAGGACGAAACCAACAAAACCAAGG (SEQ ID NO:62)

5903

AGATCTAAAGCCATCACTGATGAGTCCGTGAGGACGAAACTGTTAAAACCAAGG (SEQ ID NO:63)

6336

AGATCTAAACCACATCCTGATGAGTCCGTGAGGACGAAACAGTTTAAACCAAGG (SEQ ID NO:10)

rpoA target (ACCESSION: AE000407 U00096)

8308

AGATCTAAAAGAGCGCTGATGAGTCCGTGAGGACGAAACAGTCAAAACCAAGG (SEQ ID NO:64)

8494

AGATCTAAATTTCGATCTGATGAGTCCGTGAGGACGAAACCAGCTAAACCAAGG (SEQ ID NO:65)

8737

AGATCTAAACGATTTCCTGATGAGTCCGTGAGGACGAAACATCACCAAACC AAGG (SEQ ID NO:11)

tRNA-Asp target

(directed against GUC anticodon loop. Accession: X14007)

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172

Streptomyces lividans

secA target (ACCESSION: Z50195)

1080

AGATCTAAACTCGTCCTGATGAGTCCGTGAGGACGAAACGATCAAAACCAAGG (SEQ ID NO:66)

2033

AGATCTAAAGGCCGCTGATGAGTCCGTGAGGACGAAACCCAAGG (SEQ ID NO:67)

2556

AGATCTAAAGTACTCCTGATGAGTCCGTGAGGACGAAACCAGCGAAACCAAGG (SEQ ID NO:13)

Enterococcus faecalis

ftsZ target (ACCESSION: U94707)

10805

AGATCTAAAACTAAATGCTGATGAGTCCGTGAGGACGAAACGAGTTAAAACCAAGG (SEQ ID NO:68)

11182

AGATCTAAAGTTTAATAACTGATGAGTCCGTGAGGACGAAACTTGTTCAAACCAAGG (SEQ ID NO:69)

11512

AGATCTAAAACTTTTGCTGATGAGTCCGTGAGGACGAAACGTGTATAAACCAAGG (SEQ ID NO:14)

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Pseudomonas putida

dnaG target (ACCESSION: U85774)

2.2.2.

AGATCTAAAGGTCCATCTGATGAGTCCGTGAGGACGAAACAAAGCAAACCAAGG (SEQ ID NO:70)

986

AGATCTAAACAGGTTCCTGATGAGTCCGTGAGGACGAAACAATGTAAACCAAGG (SEQ ID NO:71)

1891

AGATCTAAATCGCTTTCTGATGAGTCCGTGAGGACGAAACGTGATAAACCAAGG (SEQ ID NO:15)

Streptomyces coelicolor

rpoA target (ACCESSION: X92107)

290

AGATCTAAAGCTCGATCTGATGAGTCCGTGAGGACGAAACCAAACCAAACCAAGG (SEQ ID NO:72)

716

AGATCTAAACGAGTCCTGATGAGTCCGTGAGGACGAAACCGGGAAACCAAGG (SEQ ID NO:73)

1099

AGATCTAAAGTCGATGCTGATGAGTCCGTGAGGACGAAACTTCGCAAACCAAGG (SEQ ID NO:16)